

ABSTRACT

METHODS FOR TREATING DISORDERS OF NEURONAL DEFICIENCY WITH BONE MARROW-DERIVED CELLS

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The invention provides, among other things, novel methods of treating neurological disorders which result in the loss of neurons (neuronal deficiencies). Bone marrow-derived cells are administered to individuals suffering from neuronal deficiencies. Administration of bone marrow-derived cells results in formation of bone marrow derived neurons, whether formed de novo or as a result of fusion with an existing neuron, thereby replacing or repairing lost or damaged neurons. The methods of the invention may also be used for memory augmentation in memory impaired individuals.

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